

Fiber Type	Breaking tenacity (grams/denier)	Breaking elongation %	Initial Modulus (grams/denier)	End Use
Carbon	10.8 - 24.1	0.4 - 1.6	1500 - 3000	Aircraft/Autos/ Sporting goods
Nylon 6,6 (PA)	2.9 - 7.2	30 - 90	10 - 45	Apparel
Polyethylene (High performance)	30 - 35	2.7 - 3.6	1400 - 2000	Ballistic Resistance/ High strength fabrics and yarns
Glass	9.6 - 19.9	3.1 - 5.7	310 - 380	Technical fabrics/furniture/boats
Aramid (Para)	18 - 26.5	1.5 - 4.0	500 - 1100	Ballistic Resistance/ High strength fabrics and yarns
Poly (P-phenylene-2,6 - benzobisoxazole)	42	2.5 - 3.5	1300 - 2000	Ballistic protection/ Fire Resistant

Figure 1

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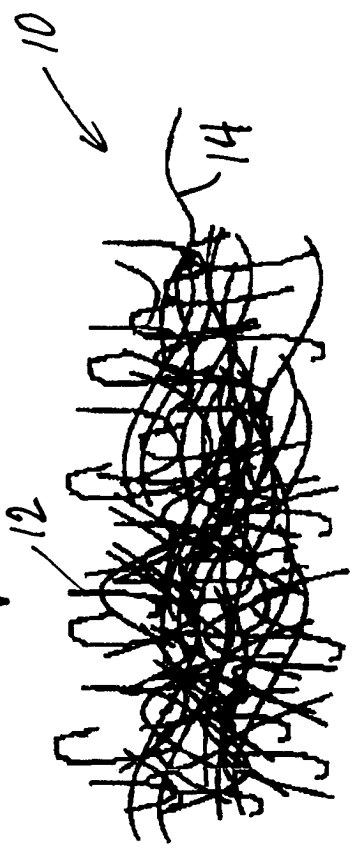


FIGURE 2

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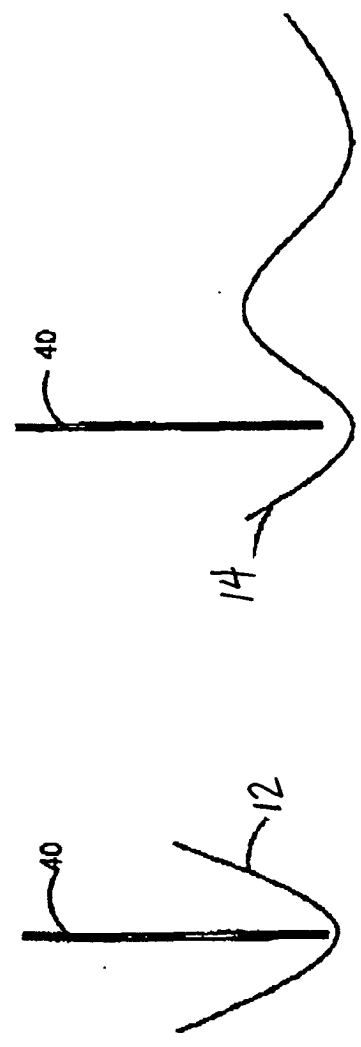
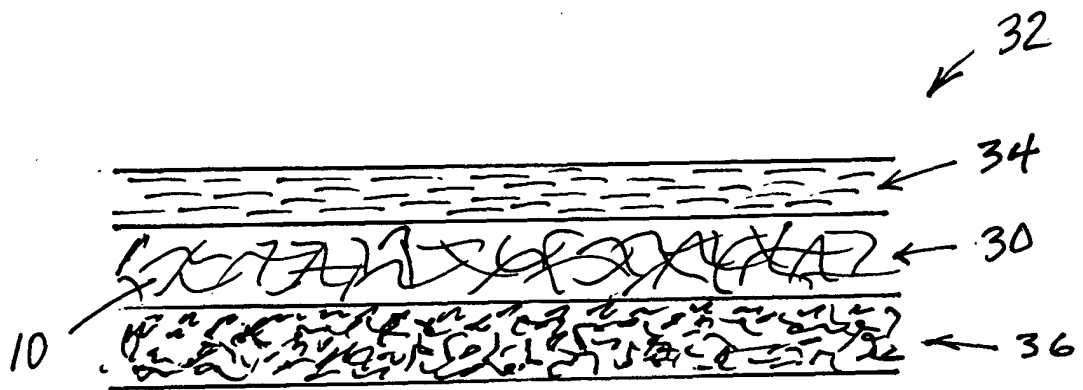
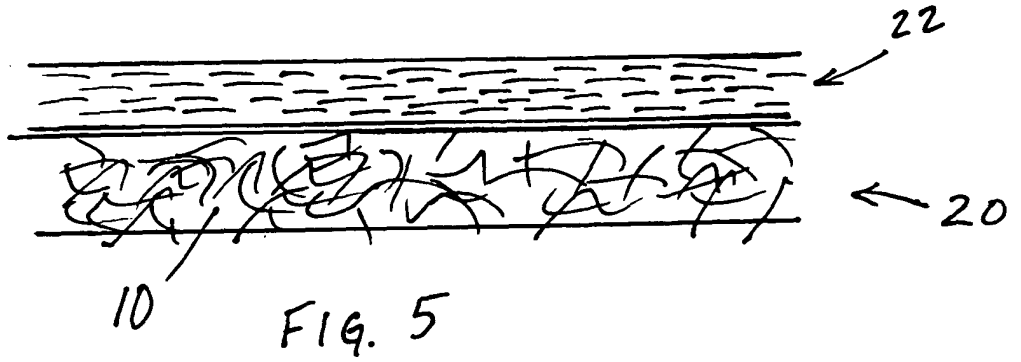


Figure 3

Figure 4

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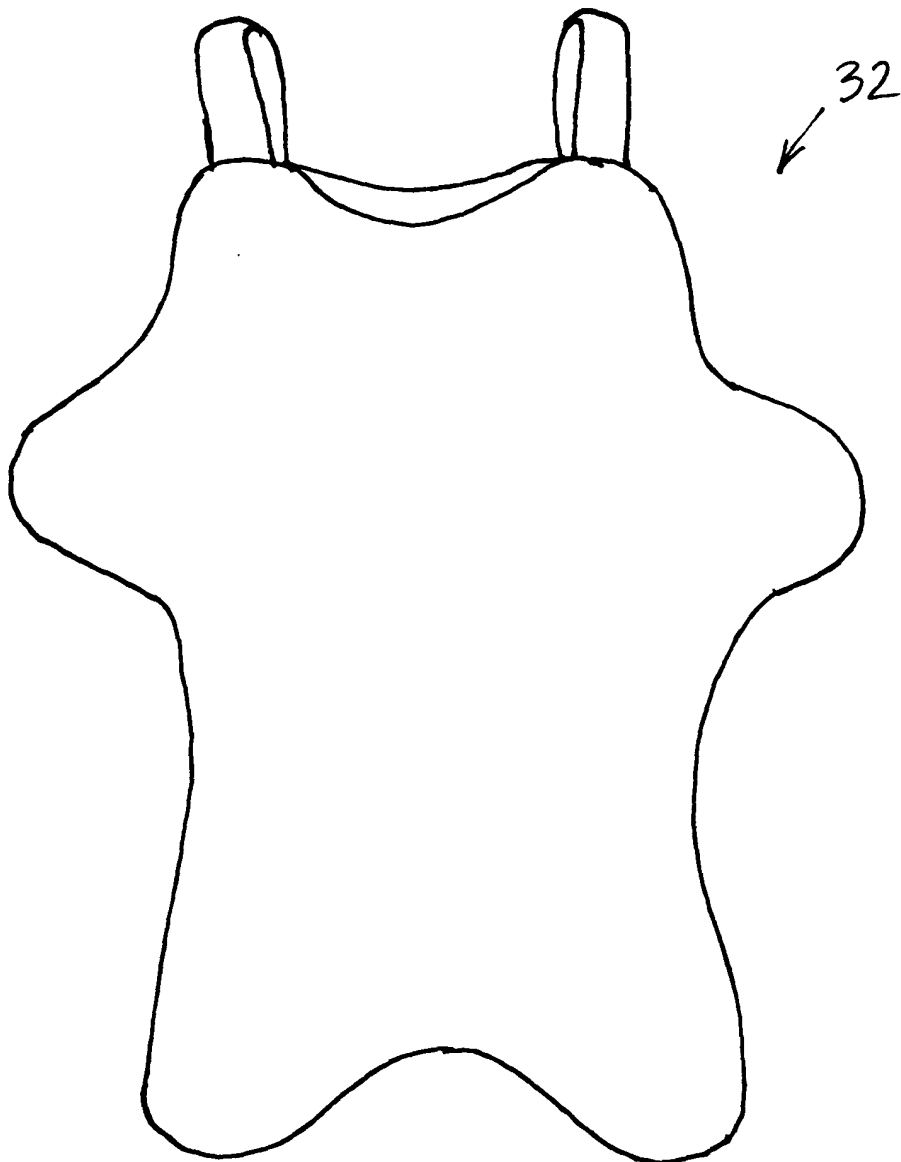


FIG. 7

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